	Application	No	Applicant(s)		
Notice of Allowability	Application	Approximent No.		Applicanit(s)	
	10/065,351 Examin r		LAI ET AL.		
	Examin		Art Unit		
	Thinh T Ngu	yen	2818		
7. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.					
8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No (b) including changes required by the proposed drawing correction filed, which has been approved by the Examiner. (c) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.					
DEPOSIT OF and/or INFORMATION about the dept attached Examiner's comment regarding REQUIREMENT FOR				Note the	
Attachm nt(s)					
	David Nelms ervisory Patent E	xamine:	ry (PTO-413), Paper idment/Comment	No	
Technology, Center 2800					

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DETAILED ACTION

1. Claims 1-5,7-8,17,18,25-33 are presented for examination including new additional

claims.31-33

2. Newly submitted claims 31-33 are directed to inventions that is independent or distinct

from the invention originally claimed for the following reason:

Claims 31-33 are directed toward a silicon nitride memory device classified in class 257

subclass 324 (species I).

The above inventions are distinct from the invention of the original claims 1-5, 7-8,

17-18, 25-30 that are directed to a semiconductor memory device with buried bit line classified

in class 257 subclass 390 (Species II).

Since the applicant has received an action on the merits for the originally presented

invention, this invention has been constructively elected by original presentation for prosecution

on the merits. Accordingly, claims 31-33 are withdrawn from consideration as being directed to a

non-elected invention. See 37 CFR 1. 142(b) and MPEP 821.03.

Examiner's Amendment.

3. An examiner's amendment to the record appears below. Should the changes and/or

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additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee:

A/ Claims 31-33 are cancelled since they are directed to non-elected inventions (see

paragraph 2 in the Office Action)

B/ Change the title to:

-- Structure of a memory device with buried bit line --

Reason for allowance

4. Claims 1-5, 7-8,17,18, 25-30 are allowed. The following is an examiner's statement of

reason for allowance: None of the references of record teaches or suggests the claimed structure

of a memory with buried bit line having:

--" A buried bit line formed in a substrate of a semiconductor de-vice, comprising

a shallow doped region, disposed in the substrate; and a deep doped regions, disposed

in the substrate under a part of the shallow doped region, a deep doped region,

disposed in the substrate under a part of the shallow doped region, wherein dopant

concentrations in the deep doped region and the shallow doped region are about the

same, and the shallow doped region and the deep doped region together serve as a

buried bit line of the memory device. " --

in claim 1.

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Allowance".

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Conclusion

5. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Thinh T Nguyen whose telephone number is 703-305-0421. The

examiner can normally be reached on Monday-Friday 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, David Nelms can be reached on 703-308-4910. The fax phone numbers for the

organization where this application or proceeding is assigned are (703) 308-7722 for regular

communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 308-0956.

Thinh T Nguyen

Art unit 2818

Supercuser / Patent Examiner

Technology Center 2800